**4th Grade Math, Topic 10.2 Fractions and Division**

|  |  |
| --- | --- |
| **EXPLICIT INSTRUCTION**  **I do it, We do it, Y’all do it, You do it** | **ENGAGEMENT**  **All Students Saying, Writing, Doing** |
| **PROACTIVE PLANNING** | |
| Materials:  Scissors  Same-sized paper strips | |
| **ANTICIPATORY SET**  (5-10 MINUTES) | |
| **Computation Practice** Timing: 3 minutes using *Aimsweb* 4th grade M-COMP progress monitoring probe; students self-correct using their “teacher pens”; students record number correct in Math Journal; collect papers  **Problem of the Day** 7-1  Screen shot 2011-01-26 at 3.57.48 PM.pngScreen shot 2011-01-26 at 3.58.00 PM.png | |
| **BUILDING A FOUNDATION**  (5-10 MINUTES) | |
| *The Language of Math*: Vocabulary instruction  ***Essential Question:*** *“How can you share items?”*  Screen shot 2011-01-26 at 4.00.40 PM.png  Discuss answers to **Problem of the Day.** | |
| **WHOLE GROUP INSTRUCTION: Concrete**  (10-15 MINUTES) | |
| *Develop the Concept: Interactive Learning (Hands-on)*  **Pose the Problem:**  **Screen shot 2011-01-26 at 4.01.41 PM.png**  **Screen shot 2011-01-26 at 4.03.43 PM.pngScreen shot 2011-01-26 at 4.04.49 PM.png**  **Whole-Class Discussion:**  **Screen shot 2011-01-26 at 4.01.54 PM.png**  **Small-Group Interaction:**  **Screen shot 2011-01-26 at 4.02.02 PM.png**  **Screen shot 2011-01-26 at 4.06.10 PM.png** | |
| **SCAFFOLDED INSTRUCTION: Representational**  (15-20 MINUTES) | |
| *Develop the Concept: Visual*  Screen shot 2011-01-26 at 4.06.48 PM.png  **Guided Practice:** Complete problems 1-4 using student whiteboards for group response  Assign students to complete problems 5-7 with a partner, recording answers in their math journal; share out answers whole class  Screen shot 2011-01-26 at 4.06.56 PM.png | |
| **INDEPENDENT PRACTICE: Abstract**  **(**15-20 MINUTES) | |
| *Independent Practice* and *Problem Solving*  Screen shot 2011-01-26 at 4.08.24 PM.png  Screen shot 2011-01-26 at 4.18.04 PM.png | |
| **FORMATIVE ASSESSMENT**  (5-10 MINUTES) | |
| Screen shot 2011-01-26 at 4.21.54 PM.png  Explain/Introduce student selections\*\*  **Quick Check 10-3** Have students complete and return the Quick Check.   * SCORE the Quick Checks later for follow up tomorrow; do not attempt to score these during the teaching day. Use yesterday’s Quick Check to determine the intervention group for today. | |
| **CENTER ACTIVITIES**  (15 MINUTES) \*This part of the lesson is beneficial for providing engaging activities while the teacher works with small groups of students who need supplemental instruction. | |
| Give students a Student Selection Menu for the week. Students choose ONE activity per day during Math Center time.  Student selections:   |  | | --- | | 1. Computer station (students log into SuccessNet and complete assigned tasks) | | 1. **Display the Digits** (partner game from Differentiated Instruction On-Level or Advanced: need Number Tiles 0-9) | | 1. **Leveled Homework** Reteaching, Practice, or Enrichment pages (have a self-check KEY for students to self-monitor) | | 1. Math War (partner game using addition and subtraction facts) | | 1. Dot game (partner game using 2 number cubes to multiply) | | 1. Writing station: “Create a **Problem of the Day**. (Leave a Problem of the Day at this station as an example.) Include a picture representation of your story problem and the solution to the problem.” |   During Math Center time, pull students based on previous days Quick Check that scored in the “Intervention” range to work in small group. Use Differentiated Instruction **Intervention** lesson with small group. | |
| **HOMEWORK** | |
| **Spiral Review 10-3** | |